Training by neonatal clinicians of nurses and midwives in clinics providing Basic Emergency Obstetric Care in 2 of 4 rural counties in the poorest sector of Liberia.

Training Report

DATE: June 2023; July 2023 August 2023

Venues:
A. **GRAND GEDEH COUNTY HEALTH FACILITIES**
Konobo Health Center- 8 skilled birth attendants, JULY 19,2023
PTP Clinic - 6 skilled birth attendants, AUG.16, 2023
Putu Pennonken Clinic - 5 skilled birth attendants, AUG. 10, 2023
Gbarzon Health Centre – 6 skilled birth attendants JULY 21, 2023
Jarzon Clinic - 5 skilled birth attendants and AUG. 21, 2023
Toe Town Clinic – 4 skilled birth attendants JULY 24,2023

Total of Skilled birth attendants trained in Grand Gedeh is 34

B. **SINOE COUNTY HEALTH FACILITIES**
Butaw Clinic -4 skilled birth attendants, JULY 6, 2023
RTM Clinic -5 skilled birth attendants, JULY 14, 2023
Wiah Town Clinic 6 skilled birth attendants and JULY 16, 2023
FJ Grante OB ward and OT staff - 18 skilled birth attendants JULY 18, 2023

Total skilled birth attendants trained in Sinoe is 33

Title of Training: neonatal resuscitation and identification and management of neonatal emergencies

Introduction/Background: It is widely known in Liberia that most new-born infants needlessly die because birth attendants present at delivery don't have the knowledge, skills, and basic equipment to perform effective neonatal resuscitation. MCAI and its partner (Irish Aid) have conducted training in remote basic six (6) facilities with high delivery rates in Grand Gedeh County and three (3) rural health facilities in Sinoe County.

Objectives: To conduct training for skilled birth attendants in rural facilities in neonatal resuscitation, usage of resuscitation platform, and the identification of seriously ill neonates needing urgent transfer to the county CEmONC facilities to be attended by Neonatal clinicians and other skilled birth attendants.

Discussion and training activities:
Facilitators (Neonatal Clinicians, County Reproductive Health Officer, Biotechnician) trained 67 birth attendants in Ten (10) facilities on how to use the resuscitation platform and how to record the results of those new-borns that were resuscitated.

They were also trained on the pathway of early referral for the critically ill new-born infant.

The training was interactive because these providers already had some knowledge on resuscitation and early referral.

They were provided with logbooks to record every new-born infant that that they resuscitated, and this logbook was to be collected by MCAI staff every 2-3 months for reporting.

Methodology:
Pre-tests were conducted to enable the facilitators to know the knowledge of the birth attendants on resuscitation, how to identify some critical illness in the new-born, pathways for urgent referral and how to record in the logbook.

Overall, for Grand Gedeh County the pre-test result as per their knowledge assessment was 87% and for Sinoe County was 83%.

The training involved interactive discussion by using the flip chart, logbook, and the latest MCAI neonatal care handbook which provided the necessary up to date information.

End of Training Evaluation
There was time for questions and answers. The training was undertaken in each facility.
Post tests were conducted after the training and the overall average for Grand Gedeh was 94% and for Sinoe was 91%.

Constraint(s):
Delay in transporting materials due to limited vehicle availability in Grand Gedeh County.

Recommendation(s):
Vehicle be provided, as for Sinoe from FJ Grante Hospital, to transport materials and staff for effective and future timely trainings.

LEFT: Neonatal resuscitation platform suitable for low resource tropical settings
RIGHT: Logbook entry of completed neonatal resuscitation using neonatal platform

Anonymised participants' listing, pre and post test results for Grand Gedeh County.

Trainers: – GRAND GEDEH

1	Christina Nyenabo – Qualified Neonatal Clinician, MTMH NICU Supervisor
2	Emmanuel Cole – MTMH Biomedical Technician
3	Matilda Belly – County Reproductive Health Supervisor

	Qualification	Facility	Pre-Test Score	Post Test Score	Knowledge Gained
1	RM	KHC	90	94	Exec
2	RM	KHC	88	92	Good
3	RM	KHC	85	90	Good
4	RM	KHC	79	86	Good
5	RM	KHC	83	90	Good
6	RM	KHC	79	86	Good
7	RM	KHC	84	86	Good
8	DHO/ PA	KHC	93	96	Exec
9	RM	GHC	85	89	Good
10	RM	GHC	87	90	Good
11	RM	GHC	80	87	Good
12	RM	GHC	81	92	Good
13	PA	GHC	90	97	Exec
14	RM	GHC	89	91	Good
15	RM	Toe Town Clinic	78	88	Good
16	RM	Town Town Clinic	82	89	Good
17	PA	Town Town Clinic	93	96	Exec
18	RM	Toe Town Clinic	91	94	Exec
19	RM	P/Pennonken	80	92	Good
20	RM	P/Pennonken	90	96	Exec
21	RM	P/Pennonken	88	91	Good
22	RM	P/Pennonken	79	89	Good
23	RM	P/Pennonken	88	93	Good
24	RM	PTP	90	94	Exec
25	RM	PTP	88	93	Good
26	RM	PTP	78	89	Good
27	RN	PTP	81	88	Good
28	RN	PTP	84	91	Good
29	RN	PTP	88	90	Good
30	RM	JArzon	78	85	Good
31	RM	JArzon	78	89	Good
32	RN	JArzon	82	87	Good
33	RN	JArzon	81	89	Good
34	RN	JArzon	85	90	Good

Anonymised participants listing, pre and post test results Sinoe County (FJ Grante Hospital)

Trainers: – SINOE COUNTY

1	Dehcontee Knowlden – FJ Grante Neonatal Clinician
2	Isatu Kamara – FJ Grante Neonatal Clinician
3	Dr. Kesselebah Goyah – OB GYN Specialist- MD

No	Qualification	Facility	Pre-Test Score	Post Test Score	Knowledge Gained
1	RM	Butaw	92	96	Excellent
2	RM	Butaw	87	90	Good
3	RM	Butaw	80	89	Good
4	RM	Butaw	81	90	Good
5	RN	Wiah	86	92	Good
6	RM	Wiah	91	96	Exec
7	RM	Wiah	89	91	Good
8	RM	Wiah	83	91	Good
9	RN	Wiah	81	90	Good
10	RN	Wiah	87	89	Good
11	RM	RTM	84	95	Good
12	RM	RTM	88	91	Good
13	RN	RTM	84	91	Good
14	RN	RTM	78	90	Good
15	Nurse AID	RTM	77	83	Good
16	RM	FJ Grant	89	92	Good
17	RM	FJ Grant	87	94	Good
18	RM	FJ Grant	89	93	Good
19	RM	FJ Grant	80	89	Good
20	RM	FJ Grant	85	90	Good
21	RN	FJ Grant	90	94	Excellent
22	OBC/RM	FJ Grant	91	97	Excellent
23	RN	FJ Grant	76	82	Good
24	RN	FJ Grant	80	90	Good
25	RN	FJ Grant	81	92	Good
26	RN	FJ Grant	80	91	Good
27	RN	FJ Grant	89	92	Good
28	RN	FJ Grant	80	86	Good
29	RN	FJ Grant	81	90	Good
30	RN	FJ Grant	78	89	Good
31	RN	FJ Grant	75	87	Good
32	RN	FJ Grant	79	88	Good
33	RN	FJ Grant	80	89	Good

Pictures of training sessions in Grand Gedeh clinics.